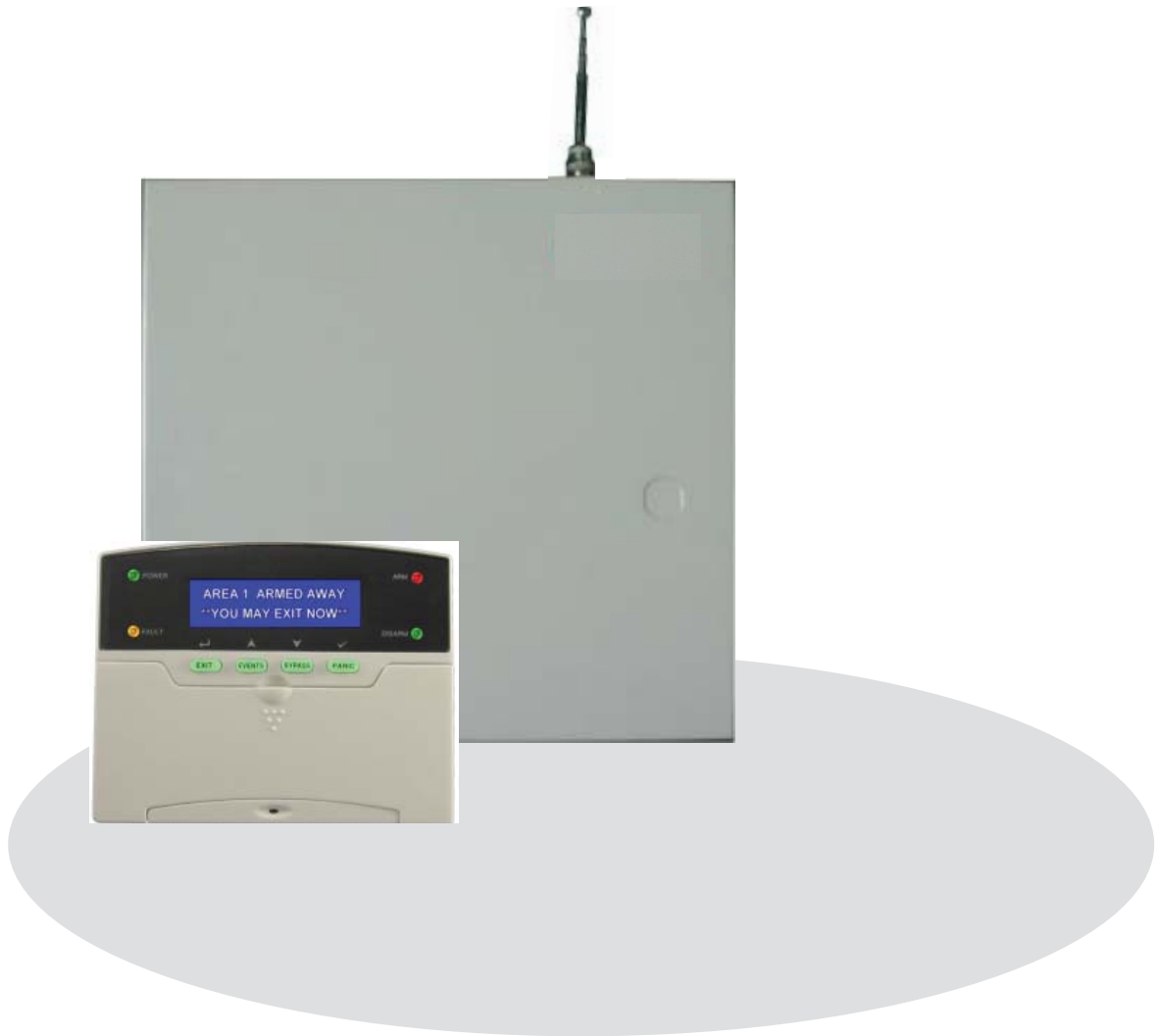
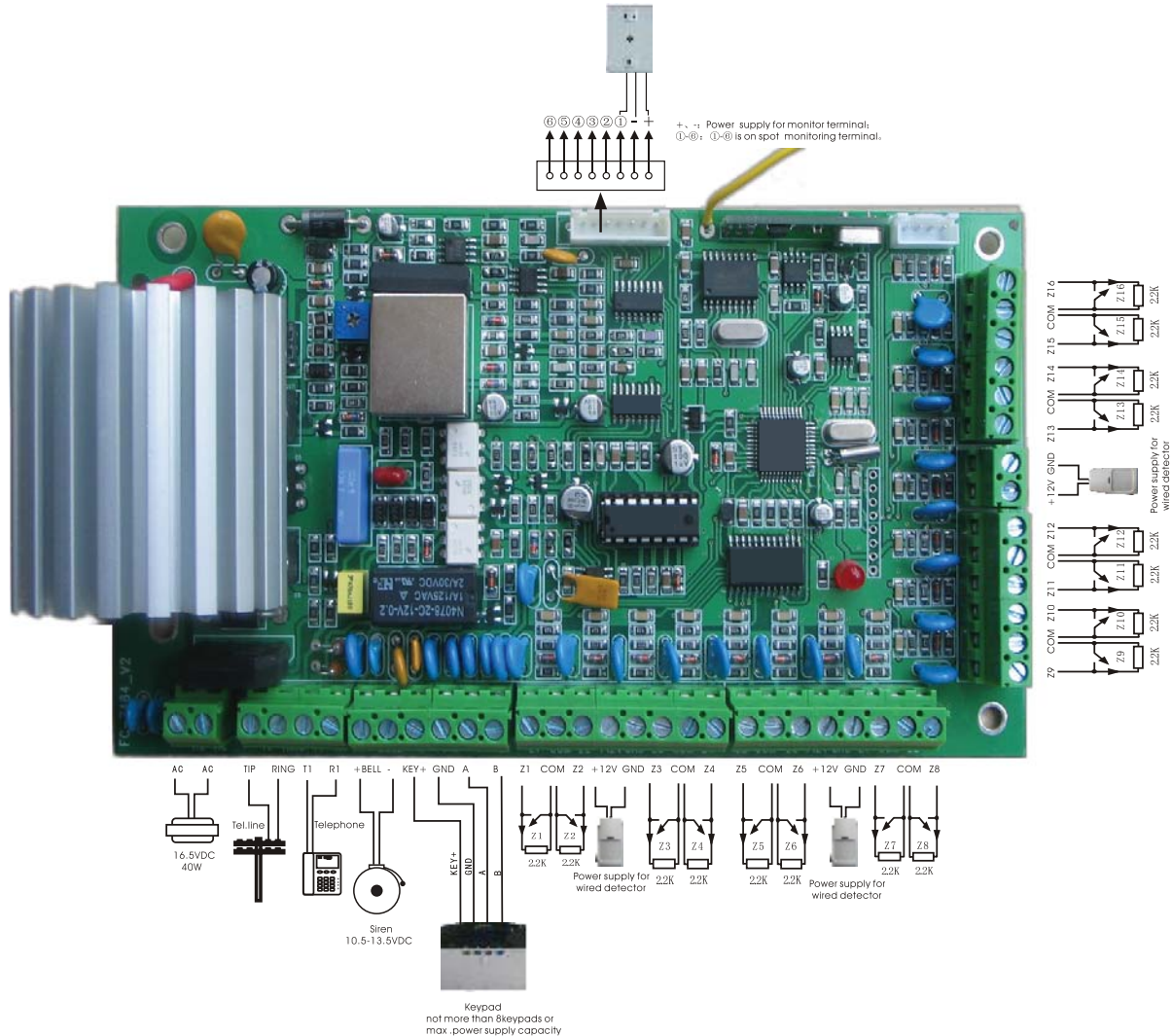


STS-451 Manufacturer Manual

www.shieldtechsecurity.com



DIAGRAM



Power supply

- only can use 12VDC, 7 AH sealed lead-acid battery, change battery every 3-5 years
- with 1 keypad, power consumption 250mA, support for 16 working hrs.
- total power consumption (keypad, auxiliary power, siren) can't exceed max. power consumption of control panel
- Transformer should be installed on outlet without switches.
- Should disconnect the AC power supply and battery when change fuse
- Max. Rechargeable current of battery: 350MA

Control panel information

- use 16AWG, connect the ground wire from outlet cover to the ground by green conducting wire.
- All output terminal has power consumption limit.
- If set loop as EOL or monitor loop, all loop end should connect 2.2K resistance.
- Zone 1-16
Normal: 1.8-2.1V
Short-circuit: 0-0.3V
Open-circuit: 4.6-5.0V



Foreword

is a intelligent alarm control system which in tegrated with burglarproof, fireproof, gas leak proof. It is compatible with wired and wireless alarm mode.

refers to the most advanced coding techniques of BUS zone and multi-bit random code-hopping techniques in security & reliability, to avoid false alarm and interference effectively.

adopts SMS, GSM, high-speed CONTACT ID etc. alarm signal transmission mode. This system is widely used in residence community, villa, shops, offices. More information please careful read the user manual.

Warning:

- Don' t disassemble or modify, or else may be lead to danger and the damage of panel.
- Be sure not to cause to break by falling or throwing down or strong impacting. Not install near the magnetic field, may because instability.
- Keep dry and clean. Don' t install the panel in the site which has oily fume, water-vapour, much poudre.
- Be keep out of the sun and heat. Don' t install the panel near the heating stove etc. high temperature equipment, such as spotlight. Keep out of the direct sunlight, may cause color fading.
- When cleaning, wipe with the mull. To remove dirt need to use detergent, don' t use gasoline or paint thinner etc. chemicals. Or else may cause damage or the paint scaled off the panel.



● Features:

has 4 unique separate AREAs, the main feature is easy to operate. It supports 16 wired zones, 24 wireless zones and 24 keypad zones, it can connect up to 8 external LCD display keypads, each keypad accommodate 3 wired zones and each zone is a delegated area. The system support 6 remote listening-in devices and remote control voice prompt. Each AREA can set 4 groups the timer for arming and disarming.

Product features:

Zone: 16 wired zones, 24 wireless zones, and 24 zones external keypad zones

Keypad and remote controller: can connect 8 LCD keypad and 8 remote controllers.

System codes: 1 installer code, 1 master code, 8 user codes.

CMS: 2 CMS Each center has 2 TOLL free numbers for Arm/Disarm

Voice phone: can set 8 voice phones

Listen in: 6 channels listen-in, 1 channel remote voice prompt

When the delay zone was triggered, the balance zones are delayed alarm.

Chime by 1-8 wired zones

Event log: 150 circular event logs.

Remote programming: can modify the system through remote phone.

Zone module expanded function: Medical, fire, Emergency etc. special buttons.

Zone report recoverable function.

AREA: 4 programmable partitons, can distribute any zones to any one or several partitons. Can distribute any keypads to manage any one or several AREAs, can distribute to call any voice phones when any one or several partitons were triggered. Can distribute any listen-in loop to any one or several AREAs; timer arm/disarm: 4 groups timer arm/disarm, can distribute to any one or several valid AREAs according a week. Walk test mode: test zone to see if it is valid. Remote programming: preset remote programming phone number, call the phone which connect with the panel, the system will off-hook after presetting ringing number, then input admin-istrator code, the system will off-hook, it will call the remote phone automatically, reference to<remote telephone programming operntion>.

Add medical care button-> press ARM button for more than 3s, fire button ->press DISARM button for more than 3s.

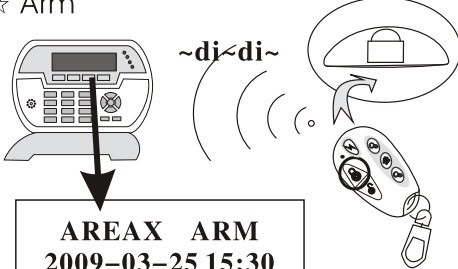
Zone expanded module: 24 zones expanded module, if use zone expanded module then can' t use keypad zone.

Zone name set: English name editor: the keypad without zones can edit the name of zones

English name:19 letters

1、 Basic operation

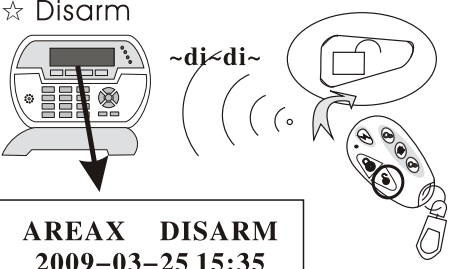
☆ Arm



AREAX ARM
2009-03-25 15:30

Master user code[default1234]+[ARM]
or the away ARM button on the keyfob

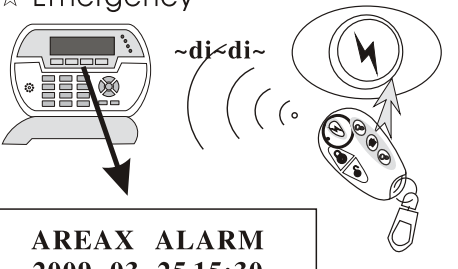
☆ Disarm



AREAX DISARM
2009-03-25 15:35

Master user code[default1234]+[DISARM]
or the DISARM button on the keyfob

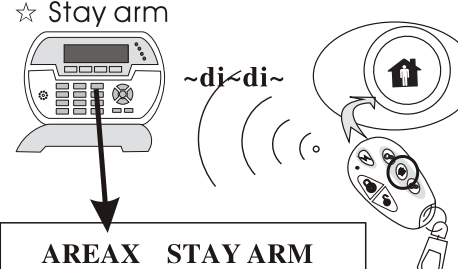
☆ Emergency



AREAX ALARM
2009-03-25 15:30

Emergency help-Press [PANIC] key in the keypad at least 3 seconds or[emergency help] button Medical help-Press[ARM] key in the keypad at least 3 seconds.
Fire alarm-Press [DISARM] key in the keypad at least 3 seconds.

☆ Stay arm



AREAX STAY ARM
2009-03-25 15:30

Master user code [default 1234] +[STAY] pr ess the away ARM key in the keyfob.

AREA arming: Press[AREA] key to select the AREA number to be armed, enter master user code and then press [arm] key.

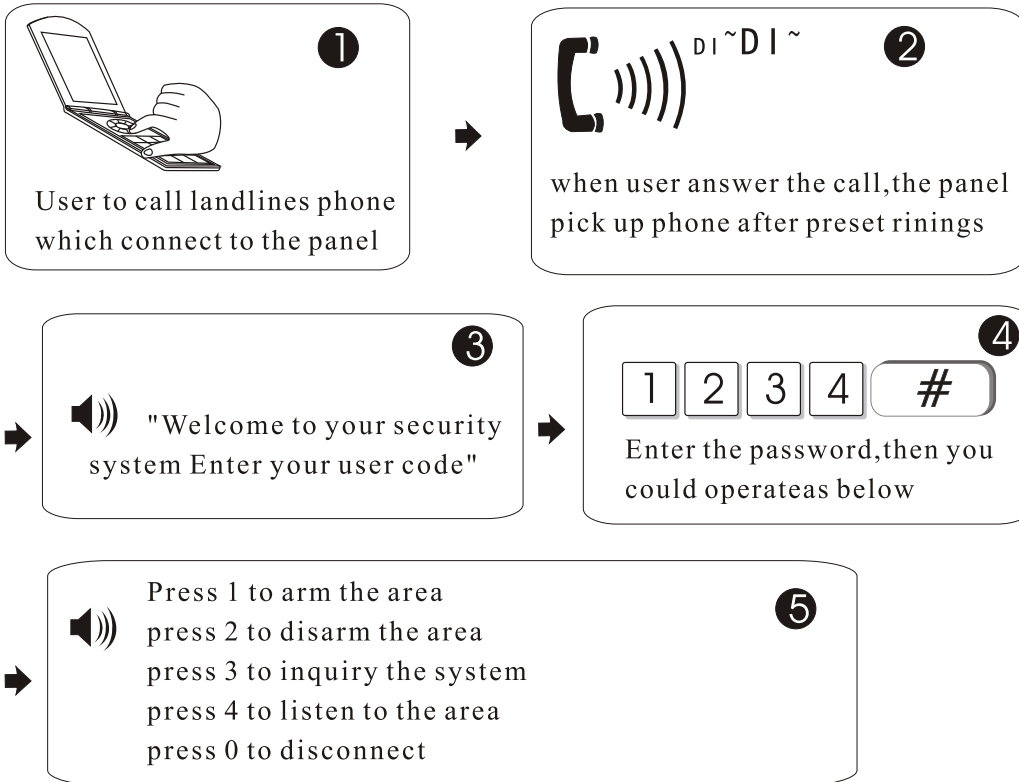
Duress codes: When you are in emergency circumstance, you could press user code +[0] to send silent duress alarm to the central station.

Inquiry: Press [note] key to check the event log

Bypass: Press[bypass]+user code+zone number to be bypassed +[panic] key.

Notes: X means 1-4.

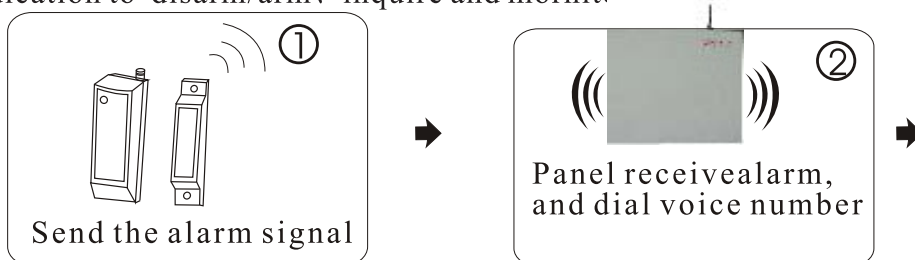
2、 Remote control by phone

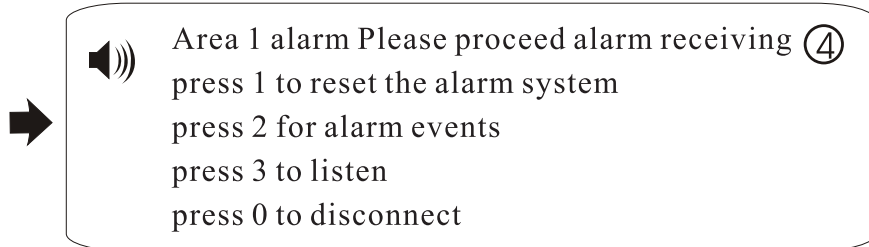
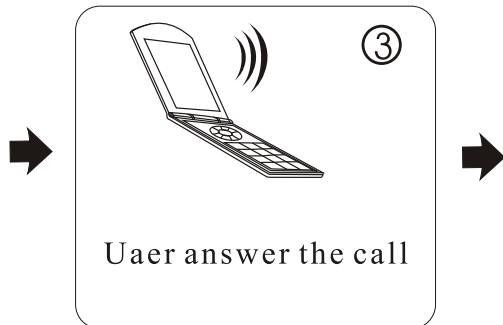
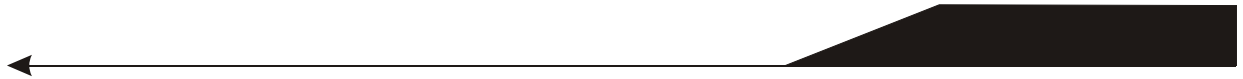


3、 Follow me operation

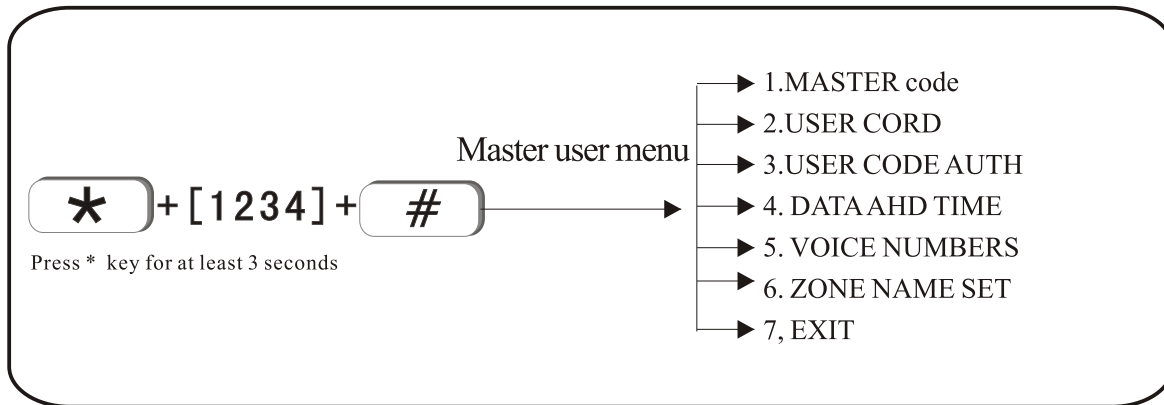
When the detector is triggered, the panel will sound alarm and display the triggered zone number and alarm type on the LCD screen. The panel will give a alarm and dial the preset voice numbers if the panel received the alarm.

The user can hear indication after he took the phone. The user operate follow the voice indication to disarm/arm, inquire and monitor



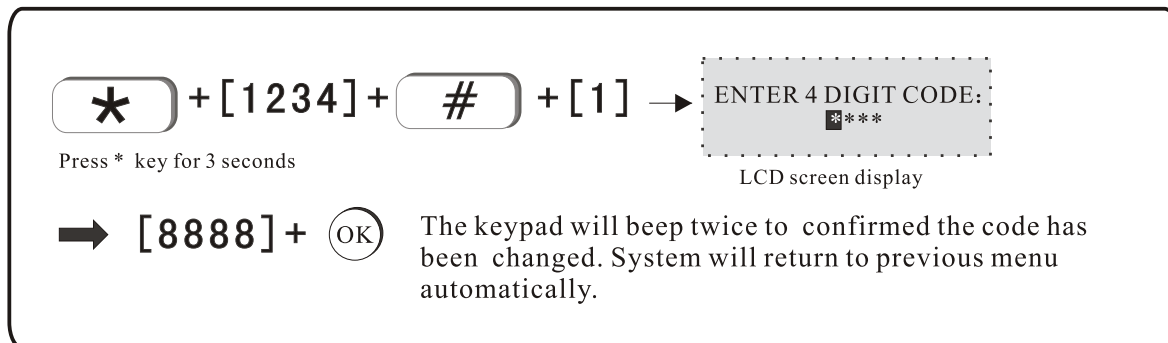


Master user menu setting



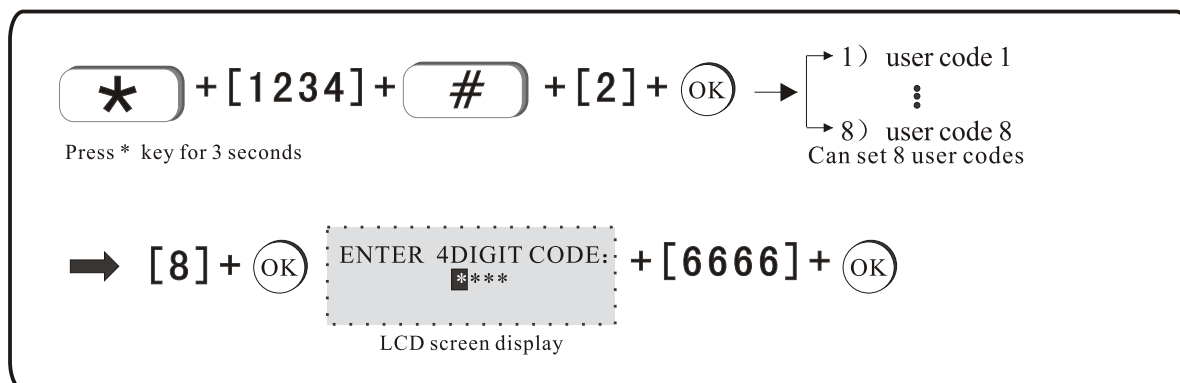
I、 Set master code

Example: Change master code as: 8888



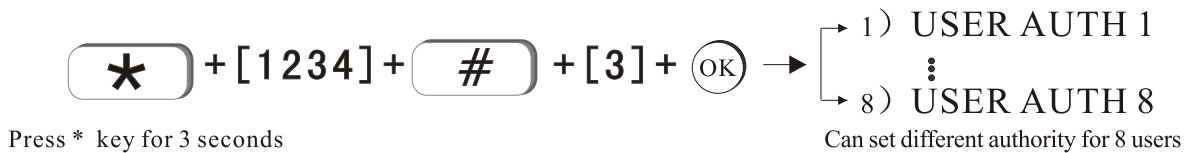
II、 Set user code

Example: Change user code 8 as: 6666



III、 Set user code authority

Example: Program user authority 3 to be valid in area(AREA) 3

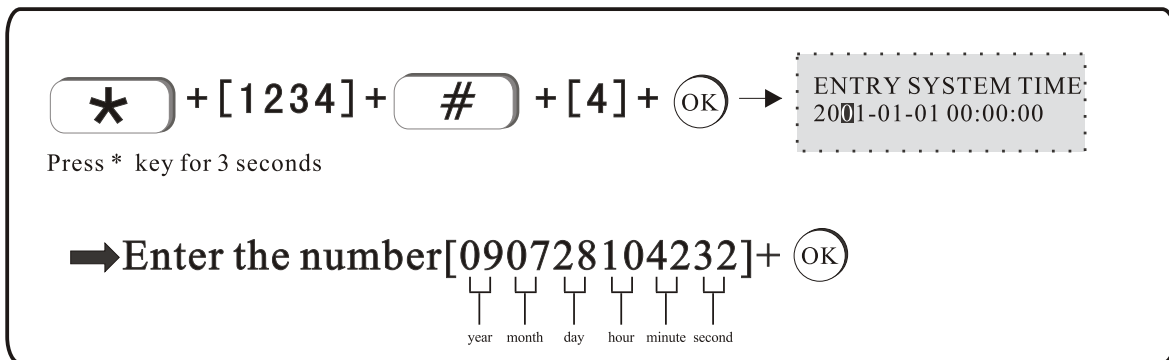




Press [bypass] or [note] to make cursor to move to area 3
press * key to change the letter N to Y or Y to N.

Notes: N-disable the authority, Y-enable the authority

IV、 Set data and time

Example: Change the system time to be 10: 42: 32, July 28, 2009



Notes: You could press [note] and [bypass] as   to make the cursor to be left and right and let the cursor point to the position to be changed, enter the correct digit to replace the previous digit. Press [OK] key to confirm and the system will return to the previous menu.

V、 Set voice numbers

(User can set 1-8 voice numbers at most)

Example: program the voice number 1 as 13412345678, voice number 2 as 07558246874 1, Add area code if required.

[*] + **[1234]** + **#** + **[5]** + **OK** **OK**

Press * key for 3 seconds

➔ **[13412345678]** + **OK**

After confirm, the panel will return to previous menu and user can program other voice numbers

➔ **[2]** **OK** **[075582468741]** + **OK**

ENTER TEL.NO.: *DEL

█

User can program remote programming telephone numbers(not longer than 15 digits), press[*]key to delete, press [OK] to save

VI、 Zone name set

User could rename the zone according to your own needs

Example: program the zone number 04 as SAFE

[*] + **[1234]** + **#** + **[6]** **OK**

Press * key for 3 seconds

AMEND ZONE # **01**

(01-64)

[04] **OK**

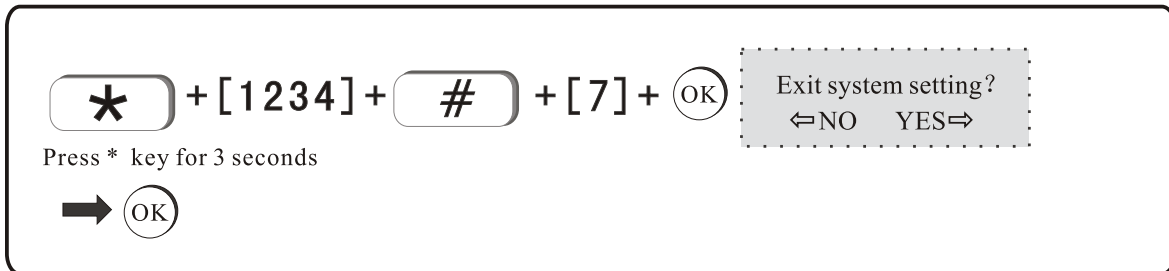
➔ ZONE NAME 04:* DEL [7][7][7][7] ZONE NAME 04:* DEL +

➔ **[2]** + + **[3][3][3]** + **[3][3]** ZONE NAME 04:* DEL **OK**

SAFE █

NOTES:press [note] or [bypass] to make the cursor point to the position need to change.
press [*] to delete

VII、 Exit



This chapter we will introduce more unique features and personalization settings of FC-7664 to you, you can finish personalization settings according to your own needs.

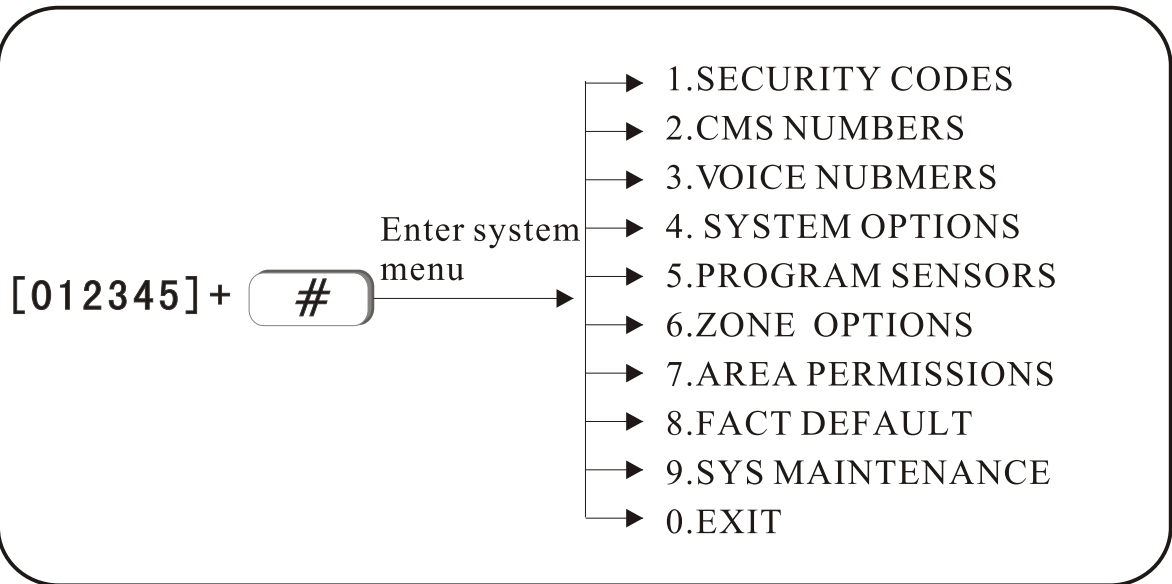
Caution: our company will not undertake any responsibility for the problems caused by wrong operation.

Factory default setting:

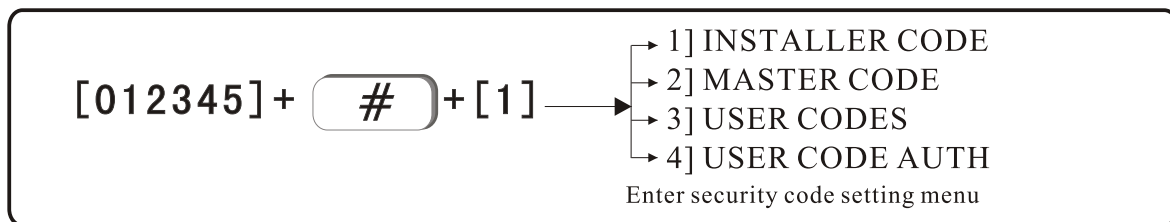
- ★Installer code:012345
- ★Master user code: 1234
- ★1-8 user code:0000
- ★Duress code: user code+0 the panel sends
- ★Entry/ Exit delay time: 10s
- ★Siren ring time: 2 minutes
- ★Ring times: 7
- ★Detector loss checking: disabled
- ★Test report time: disabled
- ★Arm/disarm report: enabled
- ★Force arming: disabled
- ★Telephone line, battery checking :disable
- ★Chime:disabled
- ★User code of all telephone No.: null
- ★All wireless/wired zones: enabled
- ★1,2 zone: delay zone
- ★3-16 zone: perimeter zone
- ★17-40 zone: burglar zone
- ★All BUS zone: disabled

Underside we will introduce how to enter the system and the functions of main options. you can operate the system as per this instruction, after this, the system will save the settings, and will carry out as per this command till you reset the system.

SYSTEM MENU SETTING

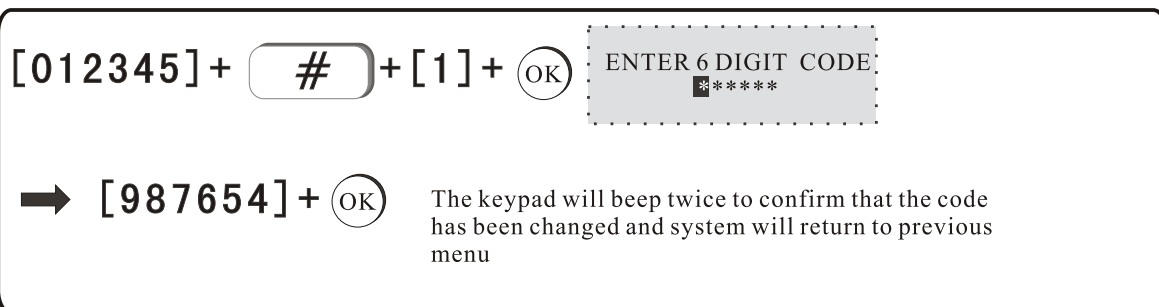


I. Security codes



1] Installer code:

Example: program installer code to be: 987654



2] Master user code setting:

Example: program master user code as 8888

[012345] + # + [1] + [2] (OK) ENTER 4 DIGIT CODE:
* * * *

→ [8888] + (OK) The keypad will beep twice to confirm that the code has been changed and system will return to previous menu

3] User codes setting:

Example : programm user code 8 as: 6666

[012345] + # + [1] + [3] (OK) 1) USER CODE 1
: 8) USER CODE 8
User can set 8 user codes

→ [8] + (OK) Enter 4 digit code:
* * * * + [6666] + (OK)

4] User code authority:

Example: Program user authority 5 to be valid in AREA3

[012345] + # + [1] + [4] (OK) 1) User AUTH 1
: 8) User AUTH 8
Can set different authority for 8 users

→ [5] + (OK) Manage A.: 1234 *sel
auth: NN N Press [bypass] or [note] to make cursor to move to area 3 + [*] + (OK)

Notes: N-disable the authority, Y-enable the authority

II, CMS NUMBER SETTING

[012345] + [#] + [2] + (OK) →

- 1] CMS TEL #1
- 2] CMS TEL #2
- 3] FREE ARM TEL #
- 4] FREE DIS TEL #
- 5] ACCOUNT NUM.1
- 6] ACCOUNT NUM.2
- 7] REMOTE PRO.TEL

Enter CMS setting menu

1] CMS TEL NO.1

Example: program CMS tel number 1 as 075584248435

[012345] + [#] + [2] + (OK) + [1]

→ [075584248435] + (OK)

CMS TEL NO.1 : * DEL

User can program 15 digit CMS tel no.
Press [*] to delete, press (OK) key to save.

2] CMS TEL NO.2

Please refer to the example of CMS TEL NO.1 setting

3] Free arm telephone number

Example : program free arm telephone number as 075584243687

[012345] + [#] + [2] + (OK) + [3] (OK)

→ [075584243687] + (OK)

Free arm tel. No.: * del

User can program 15 digit free arm tel no.
Press [*] to delete, press (OK) key to save.

4] Free disarm telephone number

Example : program free disarm telephone number as 075584247453

[012345] + [#] + [2] + (OK) + [4] (OK) FREE TEL.DISARM. : *DEL

→ [075584247453] + (OK)

User can program 15 digit free disarm tel no.
Press [*] key to delete, press (OK) key to save.

Free arm and disarm telephone number means the panel will dial preset arm/disarm/tel. number to let the user know the panel status when the system is armed or disarmed.

5] Account number1(4-8 digit)

Example: program account number as : 80156

[012345] + [#] + [2] + (OK) + [5] (OK) ACCOUNT 1(4-8): *DEL

→ [80156] + (OK)

0000

User can program 4-8digit number,Press [*] key to delete, press (OK) key to save.

6] Account number 2

Please refer to the example of account number 1 setting

Notes: When the account number is programmed as 0, such as account number 1 is 0000, then the system will default to the account number 1 as null

7] Remote programming telephone number

Example : program remote programming tel. Number as 076987426575

[012345] + # + [2] + OK + [7] + OK

→ [076987426575] + OK

REMOTE PRO. TEL : * DEL

User can program 15 digit remote program tel. Number Press [*] key to delete, press OK key to save.

III、 Voice number setting

[012345] + # + [3] + OK

→ 1] VOICE NUMBER 1
⋮
8] VOICE NUMBER 8

Enter voice number setting mode

(User can set 1-8 voice numbers)

Example : program voice number 1 as 13412345678, voice number 2 as 075582468741

[012345] + # + [3] + OK + [1]

→ [13412345678] + OK

ENTER TEL.NO.:*DEL

User can program 15 digit remote program tel. Number, Press[*] key to delete, press OK key to save.

After confirm, the keypad will return to previous menu and user can program other voice numbers.

→ [2] OK [075582468741] + OK

IV、 System options

[012345] + # + [4] + OK →

- 1] DATE AND TIME
- 2] ENTRY DELAY
- 3] EXIT DELAY
- 4] SIREN TIME
- 5] SET RING-IN TIME
- 6] SENSOR INSPECT
- 7] TEST REPORT TIME
- 8] DIS/ARMREPORT
- 9] FORCE ARMING
- 0] SET OTHERS

Enter system setting mode

1] System date and time setting:

Example : Change system time to be 10:42:32, July 28,2009

[012345] + # + [4] + OK + [1]

ENTER SYSTEM TIME
2001-01-01 00:00:00

→ Enter digit [090728104232] + OK
Year-month-day hour:minute:second

Notes: You could press [inquiry] and [bypass] as ↑ ↓ to make the cursor to be left and right and let the cursor point to the position to be changed, enter the correct digit to replace the previous digit. Press OK key to confirm and return to the previous menu.

2] Entry delay time setting:

The time the detector begins to send alarm signal to the panel and the panel receives the signal(before an alarm occurs). The delay time is programmable from 00 to 99 seconds.



Example: program the entry delay time to be 15 second

[012345] + [#] + [4] + (OK) + [2] (OK) ENTRY DELAY : 00
(00-99) SECOND

→ [15] + (OK)

The time the detector begins to send alarm signal to the panel and the panel receives the signal (before an alarm occurs). The delay time is programmable from 00 to 99 seconds.

3] Exit delay time:

Example: program the exit delay time to be 64 second

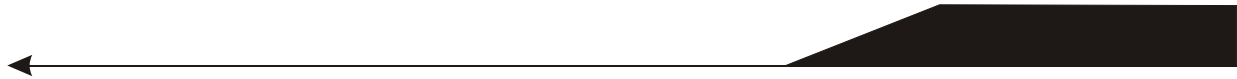
[012345] + [#] + [4] + (OK) + [3] (OK) EXIT DELAY : 00
(00-99) SEC

→ [64] + (OK)

4] Siren time:

The siren time is programmable from 00 to 30 seconds

Example : program the siren time to be 5 minutes



[012345] + # + [4] + OK + [4] OK

BELL TIME: 02
(00-30) MIN

→ [05] + OK

5] Ring-IN times:

The ring times is programmable from 00 to 99 times, 00 means disable.

Example : program the ring times to be 10 times.

[012345] + # + [4] + OK + [5] OK

RING TIMES: 07
(00-99) 00 DISABLE

→ [40] + OK

6] Sensor loss inspect

The sensor loss inspect time is programmable. When it is programmed to be 01, the panel will inspect the sensor status every one hour

Example : Program the sensor loss inspect time to be every 5 hours.

[012345] + # + [4] + OK + [6] OK

INVALID INSPECT TIME: 00
(00-24) HR 00 DISABLE

LCD screen display

→ [05] + OK

7] Test report time

The test report time of CMS communication test is programmable, when the test report time is programmed to be 01, the panel will test the CMS communication every 1 hour.

Example : program the test report time to be 10 hours

[012345] + [#] + [4] + (OK) + [7] (OK)

COM TEST TIME: 00
(00-24) HR 00 DISABLE

→ [10] + (OK)

8] Arming and Disarming report

Example : Program the arming and disarming report to CMS enable

[012345] + [#] + [4] + (OK) + [8] (OK)

ARM AND DISARM REPORT: 2
1>DISABLE 2>ENABLE

→ [2] + (OK)

9] Force arming

Example : Program force arming to disable

[012345] + [#] + [4] + (OK) + [9] (OK)

FORCED ARM: 1
1>DISABLE 2>ENABLE

→ [1] + (OK)

0] Set others

[012345]+ [#]+[4]+ (OK) + (OK)

Move the cursor to 0

other settings →

- 1) ARM /DIARM TONE
- 2) PANIC ALARM TN
- 3) TEL.LINE CHECK
- 4) BATTERY CHECK
- 5) RES.REPORT ZONE
- 6) DELAY AC OFF
- 7) WIRED Z.CHIME
- 8) WIRELESS CHIME
- 9) BELL OPPOS/NG

1) Remote arming and disarming chirp

When the remote arming and disarming chirp disable, the siren will be turned off when remote arm and disarm via remote controller. When enable, the siren will chirp

SET OTHERS [1]+ (OK) + RM.DIS/ARM CHIRP: 1
1>DISABLE 2>ENABLE [2]+ (OK)

2) Panic alarm tone

The panic alarm tone is programmable to be silent(disable) or steady (enable).

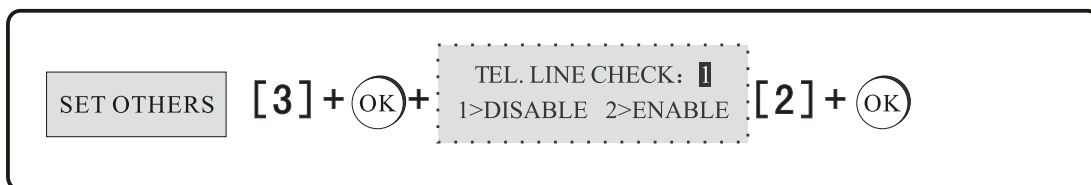
Example : Program the panic alarm tone to be steady(enable)

SET OTHERS [2]+ (OK) + PANIC ALARM TONE: 1
1>DISABLE 2>ENABLE [2]+ (OK)

3) telephone line check

User can program the telephone line check to enable or disable

Example : program the telephone line to enable



4) Battery check

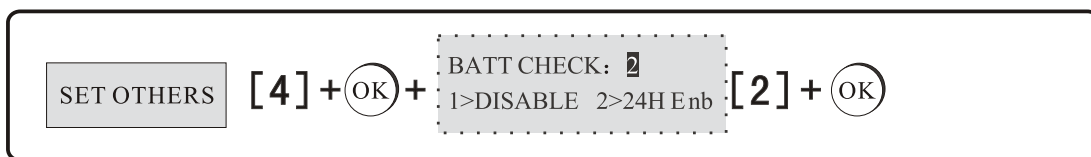
User can program the battery check as follow

1>disable, 2>check every 24 hours,

If the backup battery is low,

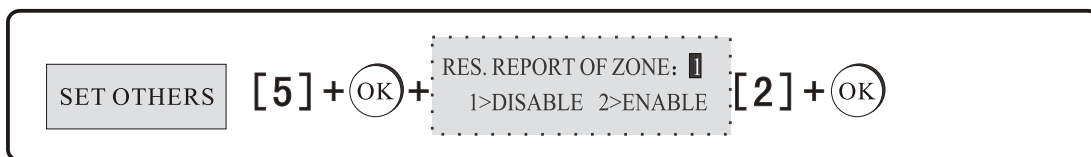
LCD screen will display “Battery trouble” .

Example : program the battery check time to be every 24 hours



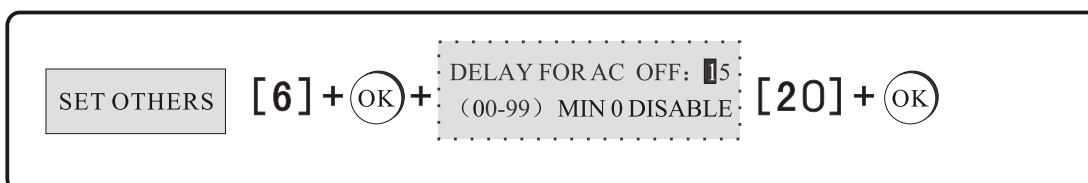
5) Restoral report of zones

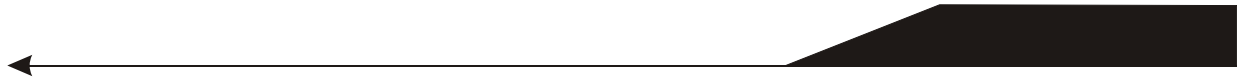
User can program the panel to send restoral code to CMS or not after the panel resumes.



6) Delay AC off

The time the panel send AC loss report to CMS after AC off.





7) Wired zone chime set

Chime by zone(1- 8 wired zones) when the system is disarmed.

12345678 in the top line means 1-8 zones, the eight letters in the bottom line means chime by zone enable or disable, N-disable, Y-enable, press [note][bypass] key to move the cursor left or right, press[*]key to change Y to N or N to Y.

Example : Program chime by zone 1 and 5 to enable

SET OTHER [7]+[OK] ZONE: 12345678*SEL [*]+ [down arrow] [OK]
 CHIME: YNNNYNNN
 press [down arrow] to move the cursor under zone 5
 [OK]

8) Wire zone chime set (Please refer to the example of wired zone chime setting)

9) BELL OPPODINH(The function is closed yet)

V、 Program sensors

[012345]+ [#]+ [5]+ [OK] →
 1] PROGRAM REMOTE
 2] PROGRAM SENSOR
 3] DEL SENSOR/REM
 4] REMOTE AUTH
 Enter program mode


1]program remote

Auto program is to enroll the remote under AUTO PROGRAM mode, user needs trigger the remote controller to learn the remote control to the panel.If the panel display device already programmed, please trigger the device again. That needs to re-trigger the remote control and learn the remote to the panel.

“Manual program” is to enroll the remote under MANUAL PROGRAM mode. User need manually enter the code on the back the remote to learn the remote to the panel.

Example 1: auto program the remote controller number 2

[012345] + [#] + [5] + [OK] + [1] → 1) Auto program
2) manual program

→ [1] + ENTER REMOTE #: 1 (1-8) + [2] [OK] TRIGGER REMOTE 

→ REM. CODE: (ENTER) 226016063 → [OK]

User need check the remote code displayed in the LCD screen if the same as the one on the remote product. Press [OK] key to save. If it is not the same code, please re-enroll it again

Example 2: Manually enroll the remote control number 5

[012345] + [#] + [5] + [OK] + [1] → 1) Auto program
2) manual program

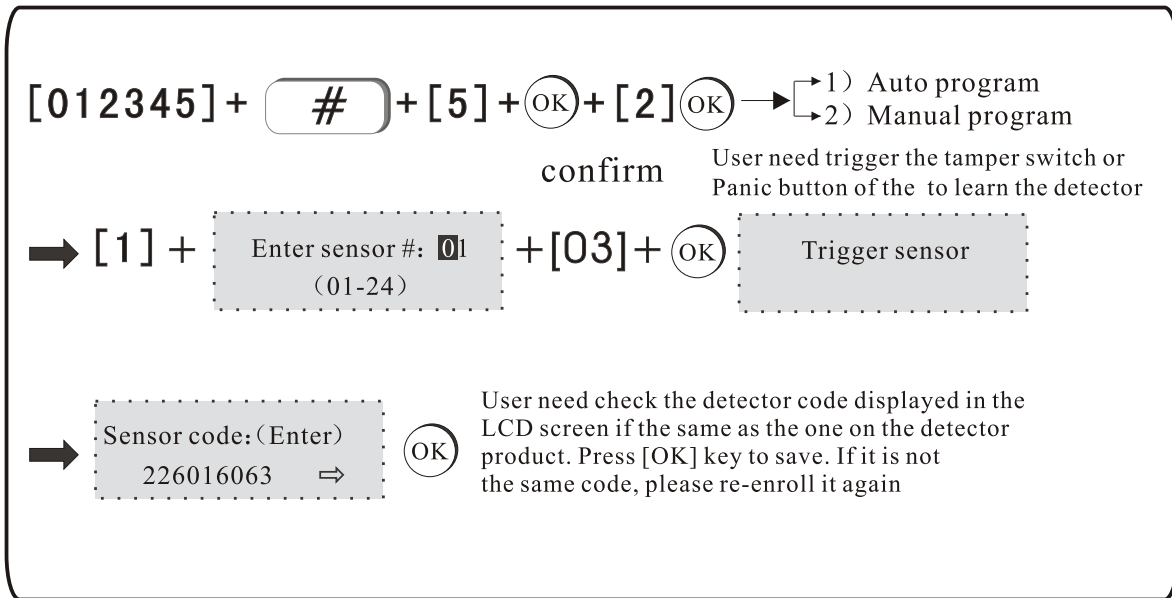
→ [2] + [OK] + ENTER REMOTE #: 1 (1-8) + [5] [OK] ENTER REM. CODE: 00000000 [OK]

User need check the remote code displayed in the LCD screen if the same as the one on the remote product. Press [OK] key to save. If it is not the same code, please re-enroll it again

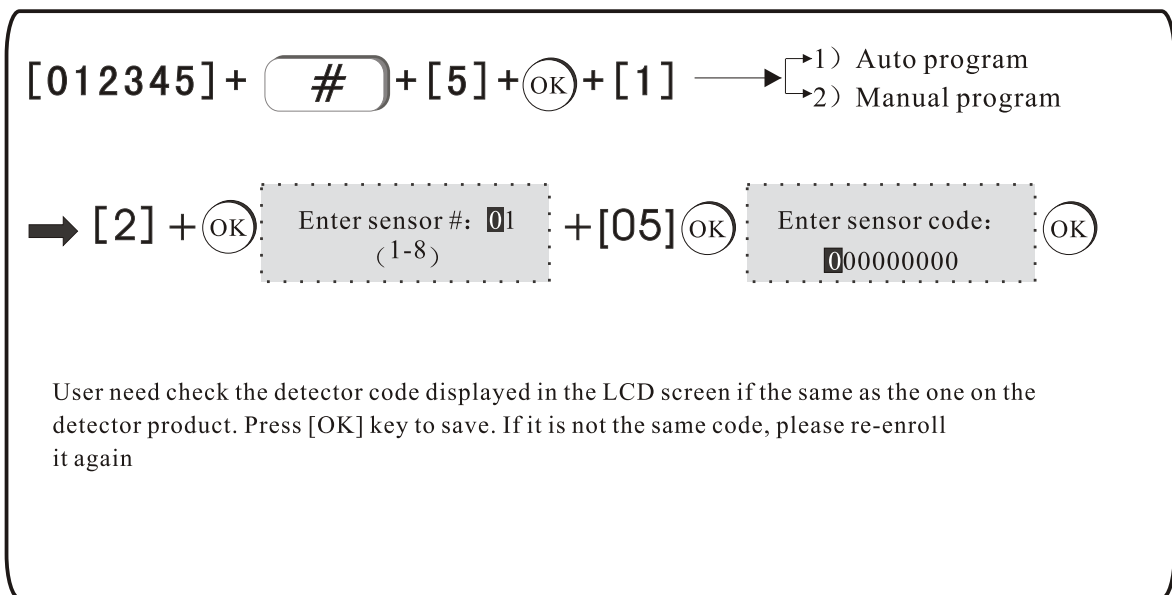
Notes: The remote controller can operate the panel only after it is enrolled to the panel.

2] Program sensor

Example 1: Auto program the detector #3



Example 2: Manually program the detector #5



3] Delete sensor and remote codes:

[012345] + [#] + [5] + (OK) + [3] (OK) →

- 1) DEL ONE REMOTE
- 2) DEL ONE SENSOR
- 3) DEL ALL REMOTES
- 4) DEL ALL SENSOR

1) Delete one remote code

Example : delete remote #2

[012345] + [#] + [5] + (OK) + [3] (OK) + [1]

→ DELETE REMOTE #: 1 (1-8) + [2] (OK) DELETE REMOTE: 2 (← NO YES →) (OK)

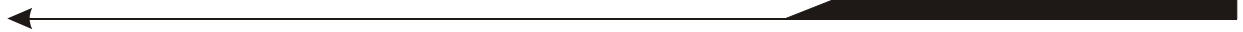
User can delete the 8 remotes one by one, enter the remote number to be deleted and press [OK] to delete

2) Delete one sensor code

Example : delete sensor #3

[012345] + [#] + [5] + (OK) + [3] (OK) + [2] (OK)

→ DELETE SENSOR #: 01 (01-24) + [03] (OK) DELETE SENSOR: 03 (← NO YES →) (OK)



3) Delete all remote codes

Example : delete all remote codes

[012345] + # + [5] + (OK) + [3] (OK) + [3]

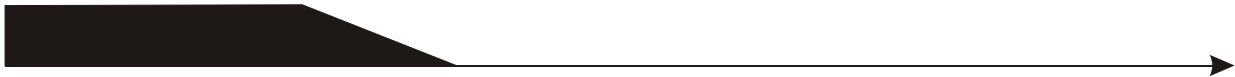
→ (OK) DELETED ALL REMOTES? (OK)
⇐ NO YES ⇒

4) Delete all sensor codes

Example : delete all sensor codes

[012345] + # + [5] + (OK) + [3] (OK) + [4]

→ (OK) DELETED ALL SENSORS? (OK)
⇐ NO YES ⇒



4] Remote control authority

Example : program the authority enabled of remote control 2 to AREA 1 and 3.

[012345] + # + [5] + OK + [4] OK SET REMOTE AUTH#1 (1-8)

→ [2] + OK MANAGEA: 1234 *SELECT AUTH: YN **Y** N

↑ + ↓ + [*] OK

select the AREA and press [*] to enable or disable the authority

The manage area 1234 is the 4 AREAs, press [*] to enable or disable the authority, Y-enable, N-disable As shown in the above figure, Remote 2 has the authority to control AREA 1 and 3 but has no authority to control AREA 2 and 4.

VI、 Zone options

[012345] + # + [6] + OK

- 1] SET WIRED ZONES
- 2] WIRELESS ZONES
- 3] EXPANDED ZONES
- 4] KEY ZONE AUTH

Enter zone options setting mode

1] Set wired zones

[012345] + # + [6] + OK [1]

- 1) SET ZONE TYPE
- 2) ZONE SIREN TYPE

1) zone type setting

ZONE TYPE OPTIONS:

1>PERIMETER 2>DELAY 3>BURGLAR
4>SOS 5>FIRE 6>24 HOUR
7>KEY ZONE 0>DISABLE

Example 1: Program zone 3 to be fire zone

[012345]+ [#]+[6]+ (OK) [1]+[1] AMEND ZONE#: 01
(01--16)

→ [03]+ (OK) ZONE 03 ZONE TYPE: 1
1>PERIM 2>DELAY↑ [3]+ (OK)

Press[note][bypass] to up and down

2) set zone siren type

Zone siren type:

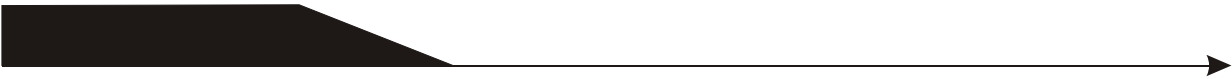
1>CONSTANT(STEADY) 2>PULSE 3>SILENT(OFF)

Example 2: program zone 3 siren type to be pulse

[012345]+ [#]+[6]+ (OK) [1]+[2] (OK)

→ AMEND ZONE#: 01
(01--16) [03]+ (OK) ZONE 03 ALARM TYPE: 1
1>CONT 2>PULSE 3>OFF [2]+ (OK)

Press[NOTE][bypass] to up and down



2] set wireless zone type

[012345] + [#] + [6] + (OK) [2] (OK) ⌈ 1) set zone type
 ⌋ 2) zone siren type

1) set zone type

Example 1: program zone 25 type to be delay

[012345] + [#] + [6] + (OK) [2] (OK) + [2]

→ AMEND ZONE#: 01 (17--40) [25] + (OK) ZONE 25 ZONE TYPE: 1 1>PERIM 2>DELAY ⬆ [2] + (OK)

Press [NOTE][bypass] key to up and down

2) zone siren type

Example 2: program zone 25 siren type to be constant(steady)

[012345] + [#] + [6] + (OK) [2] (OK) + [2] (OK)

→ AMEND ZONE#: 01 (01--16) [25] + (OK) ZONE 25 ALARM TYPE: 1 1>CONT2>PULSE3>OFF [1] + (OK)

Press [note][bypass] key to up and down



3] Expanded zone setting

[012345] + [#] + [6] + (OK) [3] (OK) ⌈ 1) set zone type
 ⌋ 2) zone siren type

Example 1: program zone 50 type to be delay

[012345] + [#] + [6] + (OK) [3] (OK) + (OK) AMEND ZONE#: 41
 (41--64)

➔ [50] + (OK) ZONE 50 ZONE TYPE: 0
 0>DISABLE ↓ [2] + (OK)

Press [NOTE][bypass] key to up and down

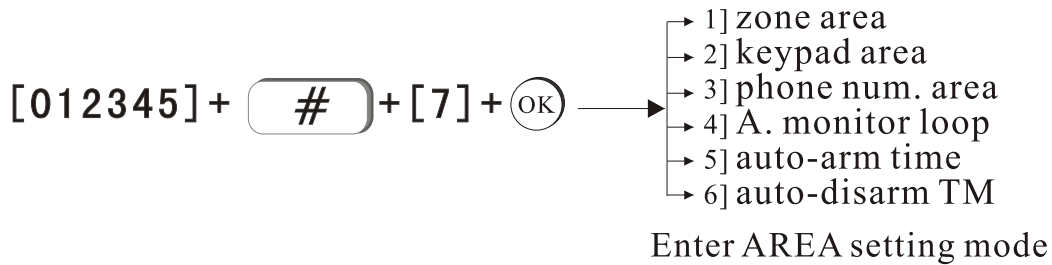
Example 2: program zone 50 siren type to be constant .

[012345] + [#] + [6] + [3] (OK) + [2] (OK)

➔ AMEND ZONE#: 41
 (41--64) [50] + (OK) ZONE 50 ALARM TYPE: 1
 1>CONT2>PULSE3>OFF [1] + (OK)

Press [NOTE][bypass] key to up and down

VII、 Area setting



1] Zone AREA setting

Enter the zone number to be selected and program Y to assign the zone to the AREA. Press[*] to select Y or N.,

Example : Program zone #05 to be assigned to AREA #2、 3 and 4, not to be assigned to AREA #1.

[012345] + + [7] + [1]

amend zone #: 01
(01--64)

→ [05] +

Area: 1234 *sel
zone 05: YNNN

[*] + [*][*][*]

Move the cursor under AREA #2

Press[not][bypass] key to the left and right to select the AREA.

→

Area : 1234 *select
zone 05: NYYY

Zone #5 is assigned to AREA #2, 3 and 4 only.

2] keypad AREA setting

First select the keypad number to be programmed, then select the assigned AREA.

Example : Program keypad #4 to be assigned to AREA 2 and 4.

[012345] + **#** + [7] + (OK) [2] (OK) AMEND KEYPAD ID: 1
(1--8)

→ [4] + (OK) MANAGE A: 1234 *SEL
KEYPAD 05: YNNN + [*] [*] ↓ [*]
Move the cursor under AREA2
Move the cursor under AREA4

Press [NOTE] [bypass] key to the left and right to select the AREA.

→ MANAGE A: 1234 *SELECT (OK) Zone #5 now is assigned to
KEYPAD 05: NYNY AREA2 and 4 only.

3] Phone number AREA setting

Example : program the voice number 2 in the AREA 3

[012345] + **#** + [7] + (OK) [3] (OK) ENTER TEL.NO.: 1
(1--8)

→ [3] + (OK) AREA : 1 2 3 4 *SEL
TEL NO. 2: NNNN + ↓ ↓ [*]
Move the cursor under AREA 3

Press [note] [bypass] key to the left and right to select the AREA.

→ AREA : 1 2 3 4 *SEL (OK) Now the voice number 2 is in AREA 3
TEL NO. 2: NNYN

4] Monitor loop AREA

Example : Program loop 1 to monitor AREA 2

[012345] + [#] + [7] + (OK) [4] (OK) ENTER LOOP NO.: 1
(1--6)

→ [1] + (OK) AREA : 1 2 3 4 *SELECT (OK) [*] Move the cursor under AREA 2
LOOP 1 : YNNN

Press [note] [bypass] key to the left and right to select the AREA.

→ AREA : 1 2 3 4 *SELECT (OK) Now the loop 1 can monitor AREA 2
LOOP 1 : NYNN

5] Auto-arming time

Example : Auto arming for AREA 3 at 12:42 on every Wednesday

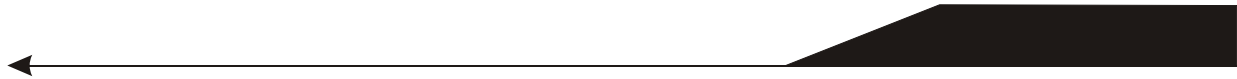
[012345] + [#] + [7] + (OK) [5] (OK) AUTO-ARM 1 TIME :
00: 00

→ [1242] + (OK) WEEK: 0 1 2 3 4 5 6 *SELECT + ↓ ↓ ↓
TIME1: NNNNNNN

Press [note] [bypass] key to the left and right to select the AREA.

→ [*] WEEK: 0 1 2 3 4 5 6 *SELECT (OK) AREA : 1 2 3 4 *SEL
TIME1: NNNYNNN TIMER1: NNNN

→ [*] AREA : 1234 *SEL (OK) Auto-arming time is programmed.
TIMER1: NNYN User can continue to program auto timer 2-4.



The digit number at the top line of the screen: 0-Sunday, 1-Monday, 2-Tuesday.....6-Saturday.

6] Auto disarming time

Example : Auto disarming for AREA 2 at 21:30on every Monday

[012345] + [#] + [7] + (OK) [6] AUTO DISAR.1 TIME :
00: 00

→ [2130] + (OK) WEEK: 0 1 2 3 4 5 6 *SEL
TIME1: NNNNNNN ↓ + [*]

Press[notel][bypass] key to the left and right to select the week.

→ WEEK: 0 1 2 3 4 5 6 *SEL (OK) AREA : 1 2 3 4 *SEL
TIME1: NNNNNNN ↓ [*]

→ AREA : 1234 *SEL (OK) Auto-disarming time 1is programmed.
TIMER1: NNN User can continue to program auto timer 2-4.

VIII、 Factory default

Example : refer to below for factory default

[012345] + [#] + [8] + (OK) FACTORY DEFAULT: (OK)
←NO YES→

IX、 System maintenance

[012345] + **#** + [9] + **OK** →

- 1] BATTERY TEST
- 2] COMM TEST
- 3] WALK TEST
- 4] DEL EVENT LOG

Enter system maintenance mode

1] battery test (disable if no backup battery)

Battery testing, 4 minutes to complete

[012345] + **#** + [9] + **OK** [1] **BATTERY TESTING,
4 MINS TO COMPLETE**

display the testing result

Battery test result

2] communication test (disable if no network)

Communication testing, 20 seconds to complete

[012345] + **#** + [9] + **OK** [2] **OK** **COMM TESTING,
20SEC TO COMPLETE**

Communication test result

3] walk test

This can test the detection range of the zone detectors

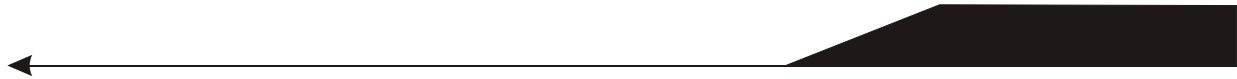
Example : Test the detection range of zone 9

[012345] + **#** + [9] + **OK** [3] **OK** **EXIT SET, ZONE TEST:
← NO YES →** **OK**

SCANNING ZONE MODE:
SCANNING ZONE 08

At this time the screen will display the data if the zone 9 is triggered.

ZONE WALK TEST:
TESTED ZONE 09



3] delete event log

Example : delete event log as below,

[012345]+ # + [9] + (OK) [4] (OK) DELETE ALL EVENT LOG:
⇐ NO YES ⇒ (OK)

*** DELETED ***
⇐RETURN

X、 EXIT

[012345]+ # + ↓ (OK) EXIT SYSTEM SETTING?
⇐ NO YES ⇒

Press [note] or [bypass] key
to move the cursor to exit or return.

FC-7664 Remote Telephone programming operation

enables you to operate the system from remote phone. This consists of initiating a telephone call to or from the system, and interacting with the voice menus that guide your required remote operation.

Remotely Accessing the system

Remotely accessing the system involves initiating a call to the system, when the system picks up after preset ring-in times, enter the installer code. Then the system will hang up and dial the preset remote programming phone number.

[#] on the phone means to confirm and [*] on the phone means to delete data.

The phone will beep twice to confirm that the operation is correct and will beep five times to confirm that the operation is wrong.

O (X) : enter 0 or any digit number, that will not affect programming operation, system will not have any wrong operation prompting.

ADD	Programming DATA	Programming CONTENT	REMARKS
0, 0, 0[x]	any 6 digit number	installer code	
2, 0, 0[x]	0-15 digit	CMS number 1	delete phone #: address + (#) can delete one phone #
2, 1, 0[x]	0-15 digit	CMS number 2	
2, 2, 0[x]	0-15 digit	Free armed phone #	
2, 3, 0[x]	0-15 digit	Free disarmed phone #	
2, 4, 0[x]	4-8 digit	User code 1	
2, 5, 0[x]	4-8 digit	User code 2	
2, 6, 0[x]	0-15 digit	remote programming phone #	delete phone #: address + (#) can delete one phone #
3, 0, 0[x]	0-15 digit	voice phone # 1	
3, 1, 0[x]	0-15 digit	voice phone # 2	
3, 2, 0[x]	0-15 digit	voice phone # 3	
3, 3, 0[x]	0-15 digit	voice phone # 4	
3, 4, 0[x]	0-15 digit	voice phone # 5	
3, 5, 0[x]	0-15 digit	voice phone # 6	
3, 6, 0[x]	0-15 digit	voice phone # 7	
3, 7, 0[x]	0-15 digit	voice phone # 8	



4, 2, 0[x]	0099seconds	entry delay	
4, 3, 0[x]	0099seconds	exit delay	
4, 4, 0[x]	0030mins	siren time	
4, 5, 0[x]	0099times 00don't off-hook	set the ring-in times	
4, 6, 0[x]	0024hours 00 no testing	detector-loss testing	
4, 7, 0[x]	0024hours 00no report	test the report time	
4, 8, 0[x]	0not sent report 1sent report	set armed/disarmed report	
4, 9, 0[x]	0disable 1enable	force arming	
4, 0, 1	0 no tone 1 siren short beeps mean remote control	Armed and disarmed tone	
4, 0, 2	0no sound 1 chirp	emergency alarm tone	
4, 0, 3	0 not check tele line 1check tele line	check telephone line	
4, 0, 4	0 not check battery 1 check battery	check battery	
4, 0, 5	0 not sent restore report, 1 sent restore report	zone restore report	
4, 0, 6	0099min	A/C loss delay report	
6, [0164]	0: no use 1: perimeter 2: delay 3: burglar 4: emergency 5: fire 6: gas	alarm zone 00	
7, [0164]	1: continuance 2: pulse 3: silent	zone alarm sound	
9, 0[x], 0[x]	0[x],	programming completed on- hook	



Frequently Asked Questions

Question 1: The difference between the master and other 8 users?

Answer: The master can operate the panel with some basic setting. Can manage other users.(such as modify password and rights.

Question 2: on what condition can set free arm/disarm telephone numbers?

Answer: Only under use of CMS.

Question 3: what is user code?

Answer: User code is unique number which CMS can identify the panels. Such as ID card, CMS will recall the corresponding information (name, telephone number etc.) as soon as it receive a user code.

Question 4: what is the role of the remote programming phone? How to use?

Answer: When the user need to program, call to the panel, input Installer code and then hang up, then the panel call the fixed telephone which one is the remote programming phone, the details please see” phone programming table”

Question 5: Would like to know related problems for voice phone setting?

Answer: The voice phone is that when alarm is triggered, the panel will call the Tel Number, the difference with CMS telephone is that the former transmit voice message and user send operating information to the panel(such as arm etc.) , the latter transmit data to CMS.

Question 6: What is delay setting?

Answer: Entry delay: the panel will alarm immediately when the zones are triggered, but in this mode, the panel will not alarm, then the user can disarm the system in this period.

Exit delay: when armed, there is some time to prepare to leave, after this period, the panel entry arm mode, in this period the panel will not alarm when it is triggered.

Question 7: Why do you want to set the number of rings?

Answer: The panel will hang up as soon as it receive the number of rings. (in order to user can use the telephone normally)



Question 8: What is the role of force arm?

Answer: The user can force arm the system when a zone is trouble.

Question 9: Why need to register remote control ,detectors?

Answer: The user can operate the panel only after registering remote control (detectors)

Question 10: Where is expansion zone?

Answer: Including 1.expanding keypad, mean that add the quantity of keypads as your requirement.2.expanding zone, refer to module user manual.

Question 11:what is AREA? What is that for ?

Answer: It is divided into 4 AREAs, which can be operated individually (such as arm/disarm), 7664 has 4 AREAs, equal to 4 panels.

For example: AREA1,2, AREA 3,4, if zone 1,2 was triggered, zone 1,2 will alarm, but others zone will not alarm.

Question 12: what is listen-in loop AREA?

Answer: if loop 4 assigned to AREA 2.

Then only zone belongs to AREA 2 was triggered, listen-in loop 4 is enabled